(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 28 April 2005 (28.04.2005)

PCT

(10) International Publication Number WO 2005/038353 A1

(51) International Patent Classification7:

F24C 15/20

(21) International Application Number:

PCT/KR2004/002621

- (22) International Filing Date: 14 October 2004 (14.10.2004)
- (25) Filing Language:

Korean

(26) Publication Language:

English

- (30) Priority Data: 10-2003-0072132 16 October 2003 (16.10.2003) KR 10-2003-0072128 16 October 2003 (16.10.2003) KR
- (71) Applicant (for all designated States except US): LG ELECTRONICS, INC. [KR/KR]; 20 Yoido-dong, Yongdungpo-gu, Seoul 150-875 (KR).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): LEE, Dong-Heon [KR/KR]; 103-206 Seongwon1st Apt. Sangnam-dong, Changwon-si, Kyungsangnam-do 641-010 (KR). LEE, Sang-Ryul [KR/KR]; 204-901 DongA2nd Apt. Wolyoung-dong, Happo-gu, Masan-si, Kyungsangnam-do 631-770 (KR).

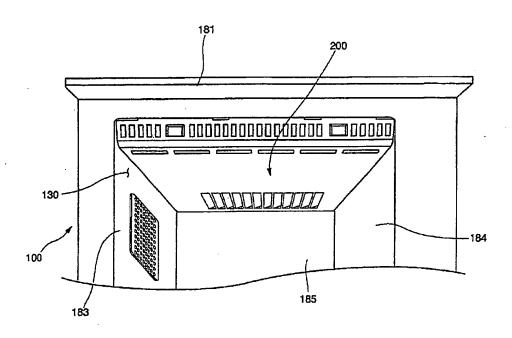
- (74) Agent: HAW, Yong-Noke; 8th Fl. Songchon Bldg., 642-15, Yoksam-dong, Kangnam-gu, Seoul 135-080 (KR).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

[Continued on next page]

(54) Title: A MICROWAVE OVEN AND AN UPPER DUCT STRUCTURE THEREOF



(57) Abstract: A microwave oven includes a cavity in which food is loaded and an upper duct having a main body mounted in the cavity, a duct fixing member formed on a side of the main body and fixed on a wall of the cavity, and an inclined portion extending from an end of the main body and inclined at a predetermined angle.

) 2005/038353 A1 III